

Amendment B submitted in response
to Office Action mailed 05/20/2005
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REMARKS/ARGUMENTS

The Examiner is again thanked for allowance of Claim 49.

In the Office Action mailed 12/15/2004, Claims 1-4, 9-11, 13-28, 33-35, 37-48 were rejected under 35 U.S.C. 103(a) as being unpatentable over US 6191399 B1 (Van Bilsen; Frank B. M., herein after VAN BILSEN) in view of US 5225245 A (Ohta; Tomohiro et al., hereinafter OHTA).

In allowing claim 49, Examiner has stated that the prior art does not teach introducing a heat transfer gas between said substrate and said chuck, allowing said substrate and said chuck to come to thermal equilibration, at which time said chuck temperature is measured using a contact measurement technique; then employing said chuck temperature measured using said contact measurement technique and said first electromagnetic energy measurement to create said mathematical model. Applicant agrees that the prior art does not show the combination in the manner claimed.

Applicant has modified claims 1 and 25 with this limitation. It is respectfully that the combination renders the claims novel and nonobvious over the prior art of record, alone or in combination. In addition, applicant submits that since newly modified claims 1 and 25 are not taught or suggested by the references, that the dependent claims are also allowable over the references.

Conclusion

In view of the discussion herein, Applicant believes that all pending claims are allowable and respectfully requests a Notice of Allowance for this application from the Examiner. Should the Examiner believe that a telephone conference would expedite the prosecution of this application, the undersigned can be reached at 408-257-5500.

The Commissioner is authorized to charge any additional fees to process this Amendment, or credit any over-payments that may apply, to our Deposit Account No. 50-2284 (Order No. LMRX-P028).

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Respectfully submitted,

/Alex Sousa/

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